

NOTEWORTHY COLLECTIONS

OREGON

BLEPHARIDACHNE KINGII (S.Watson) Hack. (POACEAE).—Harney Co., vicinity of Fields southwest of Salt Springs and the Borax Lake Area of Critical Environmental Concern along the eastern edge of Guzzler Road. Common halfway up the west side of a butte with *Artemisia spinescens* D.C.Eaton, *Atriplex confertifolia* (Torr. & Frém) S.Watson, *Bromus tectorum* L., and *Eriogonum nidularium* Coville. This population covers an area of roughly 30 m² with 19–28 plants per m², but may extend beyond that. Bunch grasses and appropriate habitat were present outside this 30 m² pocket, but heavy grazing had rendered the plants largely unidentifiable. 42.31704°, –118.54242°, elev. 1300 m, C. Olson 72, 29 June 2017 and 23 September 2017 (WWB22966).

Previous knowledge. *Blepharidachne kingii* is not previously known from Oregon but is widespread across Nevada. This species seems restricted to the Great Basin, with populations also found in California, Idaho, and Utah (Cronquist et al., 1977). *Blepharidachne kingii* is known to occur 150 km south in Humboldt County, NV (ID134329, CPNWH 2019).

Significance. This is the first collection of this species in Oregon. While this collection shows *B. kingii*'s range extends 150 km further north in Oregon than was previously known, it is impossible to know in the absence of other data if this collection is part of a larger historical range that is contracting south towards the Oregon–Nevada border or a recent range expansion from populations in Humboldt County, NV into Oregon.

CLEOMELLA PARVIFLORA A.Gray (CLEOMACEAE).—Harney Co., vicinity of Fields near the Borax Lake Area of Critical Environmental Concern and Salt Springs. Common at the edges of the Salt Springs salt pan with *Nitrophila occidentalis* (Moq.) S.Watson in a 10 m wide band with 40–50 plants per m². 42.30817°, –118.61590°, elev. 1240 m, C. Olson 52, 23 June 2017 (WWB22989).

Previous knowledge. *Cleomella parviflora* has been reported twice in Oregon in the last hundred years — first in 1901 in Harney County, OR in the vicinity of Andrews, OR (exact location not known, but Andrews, OR is roughly 19 km from my collection) by D. Griffiths and E. L. Morris (NY00242420, CPNWH 2019) and a 1997 collection by Florian Wernette in Malheur County, OR, which was later determined to be a misidentified sample of *Cleomella hillmanii* A.Nelson var. *goodrichii* (S.L.Welsh) P.K.Holmgren (CIC26921, CPNWH 2019). Outside Oregon *C. parviflora* is known from moist, alkaline

areas around thermal springs throughout California, Idaho, and Nevada (Vanderpool et al. 2010).

Significance. This is the first collection of *C. parviflora* in Oregon in 116 years, proving *C. parviflora* is a longstanding component of southeastern Oregon's endemic flora that has not been extirpated by a century of grazing, habitat changes, and human disturbance. This collection also confirms that the northern boundary of *C. parviflora*'s range extends further north than was previously known, with the next most northern population of *C. parviflora* occurring 185 km south within the High Rock Canyon Emigrant Trails National Conservation Area of Humboldt County, Nevada (ID134329, CPNWH 2019).

STEPHANOMERIA PAUCIFLORA (Torr.) A.Nelson (ASTERACEAE).—Harney Co., Borax Lake Area of Critical Environmental Concern and the vicinity of Fields. Uncommon throughout the Borax Lake Area of Critical Environmental Concern, and the dune fields along Guzzler Road before Salt Springs *Claire Olson 123*, 2 June 2018 (WWB23010). Largest population (a few hundred individuals) 42.29852°, –118.62078°, 1240 m with *Aliciella lottiae* (A.G.Day) J.M. Porter, *Artemisia tridentata* Nutt., *Malacothrix torreyi* A.Gray, *Penstemon acuminatus* Douglas ex Lindl. var. *latebracteatus* N.H.Holmgren, *Sarcobatus vermiculatus* (Hook.) Torr., and *Stephanomeria exigua* Nutt.

Previous knowledge. Outside Oregon, *S. pauciflora* is known from Arizona, California, Colorado, Kansas, Nevada, New Mexico, Oklahoma, Texas, Utah, Wyoming, and northwestern Mexico (Cronquist et al. 1997; Gottlieb 2006). *Stephanomeria pauciflora* was collected in 1929 in Malheur County, OR (Collector unknown, SRP000379; CPNWH 2019), and again in 2017 in Harney County by Frank T. Callahan along the Oregon side of the Oregon–Nevada border (SOC25790, CPNWH 2019).

Significance. This collection and my observations verify the presence of *S. pauciflora* within the vicinity of Fields, OR and show the species to be well established within southern Harney County, OR from the Oregon–Nevada border nearly 45 km north to the Borax Lake Area of Critical Environmental Concern.

—CLARE OLSON, Botanist, 9837 Guide Meridian Road, Lynden WA, 98264. olscla20@evergreen.edu

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